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Reply to Office Action of July 29, 2005

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A method for providing an external client with selective access to a computer device protected behind a firewall and a host, comprising:

providing a tunnel mechanism between the host and the computer device, wherein the tunnel mechanism is in communication with the host and the computer device;

receiving with the tunnel mechanism an access request to the computer device from the external client, the access request passing through a port in the firewall prior to the receiving with the tunnel mechanism;

verifying the external client currently has authorized access to the host;

after successful completion of the verifying, routing the access request to the computer device with the tunnel mechanism; and

receiving a response to the access request from the computer device and modifying the response prior to transmitting the response to the external client to ~~remove—replace~~ [[all]] identification information for the computer device with information for the tunnel mechanism, whereby access to the computer device to obtain the response is hidden from the external client.

2. (original) The method of claim 1, further including prior to the routing, determining a destination interface from the access request and wherein the routing includes modifying the access request to include an address for the destination interface.

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3. (original) The method of claim 2, wherein the providing includes establishing a communicative link between the tunnel mechanism and the destination interface.

4. (canceled)

5. (previously presented) The method of claim 1, wherein the modifying includes adding identification information for the tunnel mechanism to the response.

6. (original) The method of claim 5, wherein the response includes URL information and the added identification information includes URL information for the tunnel mechanism.

7. (previously presented) The method of claim 1, further including examining the response for an error message, translating the error message, and including the error message in the response transmitted to the external client.

8. (previously presented) The method of claim 1, further including examining the response for an error message, translating the error message, and operating the tunnel mechanism to take corrective actions to remove the error message from the response from the computer device.

9. (original) The method of claim 1, wherein the verifying includes determining a level of the authorized access and, further wherein the routing includes limiting the access request to the computer device to the determined level of the authorized access.

10. (Currently Amended) A method for controlling access to a device on an internal network by a client device on an external data communications network, a firewall being installed between the internal network and the external data communications network, the method comprising:

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receiving with a tunnel mechanism an access request from the external client device to the internal network device, the tunnel mechanism being communicatively linked to the firewall and an interface of the internal device;

modifying the access request to include an address of the interface of the internal device;

operating the tunnel mechanism to route the modified access request to the interface of the internal device;

receiving a response to the modified access request from the internal device at the tunnel mechanism, the response including identification information for the internal device; and

modifying the response with the tunnel mechanism to ~~remove-replace all of the identification information for the internal device with identification information for the tunnel mechanism~~ prior to transmittal of the modified response to the external client device;

wherein the identification information includes URL information for the internal device and the response modifying includes replacing the internal device URL information with URL information for the tunnel mechanism, whereby the internal device is hidden from the external client device with the response appearing to originate from the tunnel mechanism.

11. (original) The method of claim 10, wherein the access request includes URL information and the access request modifying includes modifying the URL information to include URL information for the internal device.

12. (canceled)

13. (original) The method of claim 10, wherein the internal network includes a plurality of the internal devices, and the access request modifying includes determining a destination interface for a one of the internal devices corresponding to the access request from the external device.

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14. (original) The method of claim 10, further including prior to the routing, verifying the external device is currently authenticated as an authorized user of a host device communicatively linked to the firewall and the tunnel mechanism.

15. (canceled)

16. (Currently Amended) A network access system for controlling access to a computer device protected by a firewall, comprising:

a host server on an interior side of the firewall, the host server being linked to the firewall and configured for receiving a request from a client device located exterior to the firewall; and

a tunnel mechanism linked to the computer device adapted for: modifying the request to include an address of an interface of the computer device; routing the modified request to the computer device; receiving a response from the computer device including identification information; and modifying the response to remove-replace all of the identification information for the computer device with identification information for the tunnel mechanism, whereby a source of the response is hidden from the external client.

17. (canceled)

18. (original) The system of claim 16, wherein the tunnel mechanism is further adapted for verifying, prior to the routing of the modified request, that the client device was authorized to access the host server when the request was received.

19. (previously presented) A computer readable medium for providing a device on an exterior side of a firewall selective access to a device on the interior side of the firewall, a host being positioned between the firewall and the interior device, comprising:

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computer readable program code devices configured to cause a computer to receive a request from the exterior device to access the interior device;

computer readable program code devices configured to cause a computer to verify the exterior device is presently authorized to access the host;

computer readable program code devices configured to cause a computer to route the request to an interface of the interior device based on the verified authorization; and

computer readable program code devices configured to cause a computer to translate error messages in the received response, to take response actions to the error messages, and to include unresolved ones of the translated error messages in the modified response without identification information for the interior device.

20. (previously presented) The computer readable medium of claim 19, wherein the routing includes determining the interface for routing the request and the routing of the request includes modifying the request to include an address for the determined interface.

21. (previously presented) The computer readable medium of claim 19, further including computer readable program code devices configured to cause a computer to receive a response from the interior device comprising identification information corresponding to the interior device and computer readable program code devices configured for causing a computer to generate a modified response based on the received response including removing the identification information.

Claims 22-24 (canceled)